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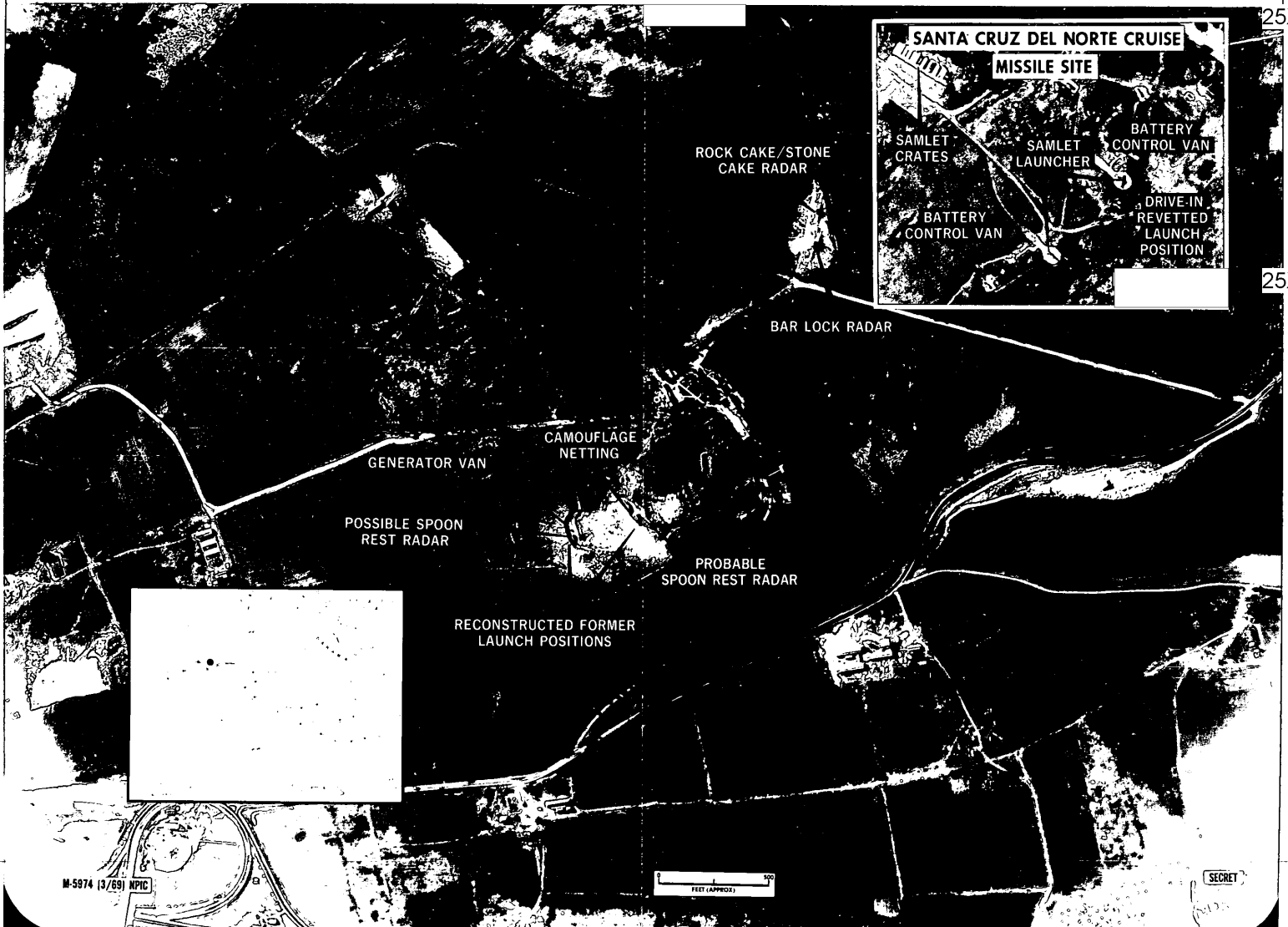
NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

**EXPANSION OF AIR WARNING FACILITIES
SANTA CRUZ DEL NORTE, CUBA
23-09N 081-56W**

25X1

25X1

25X1



M-5874 (3/69) NPIC

1000 FEET (APPROX)

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Attachment to M-5974
11 March 1969
Page 1

REFERENCE TO: GLASS LAMP

EXPANSION OF AIR WARNING FACILITIES,
SANTA CRUZ DEL NORTE, CUBA

25X1

1. SIGNIFICANCE:

CONVERSION OF CRUISE MISSILE LAUNCH REVETMENTS
AT SANTA CRUZ DEL NORTE CRUISE MISSILE SITE TO
ACCOMMODATE AIR WARNING RADARS.

2. LOCATION:

0.9 NM WSW OF SANTA CRUZ DEL NORTE AT
23-09N 081-56W.

3. REMARKS:

RECONSTRUCTED LAUNCH REVETMENTS AT SANTA CRUZ
DEL NORTE CRUISE MISSILE SITE ARE OCCUPIED BY
ONE PROBABLE AND ONE POSSIBLE SPOON REST
ACQUISITION RADARS. THESE RADARS ARE PROBABLY
ASSOCIATED WITH A BAR LOCK RADAR AND A ROCK
CAKE OR STONE CAKE RADAR AT SANTA CRUZ DEL NORTE
AW RADAR FACILITY 2 LOCATED 1,450 FT WSW. THE
PRESENCE OF THESE RADARS IN THE SANTA CRUZ DEL
NORTE VICINITY AUGMENTS CUBA'S AIR WARNING
CAPABILITIES. SANTA CRUZ DEL NORTE CRUISE
MISSILE SITE WAS ACTIVE UNTIL PHOTOGRAPHY OF

[] SHOWED IT WAS EVACUATED. PHOTOGRAPHY

25X1

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GROUP 1 EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

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Attachment to M-5974
11 March 1969

Page 2

OF [] SHOWED THAT THE SITE WAS REOCCUPIED
AND IT REMAINED OPERATIONAL UNTIL PHOTOGRAPHY
OF [] SHOWED THE LAUNCH POSITIONS AND THE
GUIDANCE AREA VACATED. SINCE THAT DATE NO
MISSILES OR MISSILE-RELATED EQUIPMENT HAVE BEEN
OBSERVED. ON [] A POSSIBLE SPOON REST
RADAR WITH GENERATOR VAN WAS OBSERVED IN THE
WESTERN LAUNCH REVETMENT.

25X1

25X1

25X1

4. IMAGERY ANALYSIS:

THE TWO REVETTED LAUNCH POSITIONS AT SANTA CRUZ
DEL NORTE CRUISE MISSILE SITE HAVE BEEN RECON-
STRUCTED AND ARE NOW DRIVE THROUGH-TYPE REVETMENTS.
A PROBABLE SPOON REST RADAR AND CAMOUFLAGE
NETTING WERE OBSERVED WITHIN THE WESTERNMOST
REVETMENT, AND A POSSIBLE SPOON REST RADAR WITH
A GENERATOR VAN WERE OBSERVED WITHIN THE OTHER
REVETMENT ON NONSTEREO PHOTOGRAPHY OF []
[] AND STEREO PHOTOGRAPHY OF []
THESE RADARS ARE PROBABLY ASSOCIATED
WITH THE RECENTLY ESTABLISHED SANTA CRUZ DEL
NORTE AIR WARNING RADAR FACILITY 2 AT 23-08-55N

25X1

25X1

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Attachment to M-5974
11 March 1969

Page 3

081-56-35W [] APPROXIMATELY
1,450 FEET WSW, WHERE A BAR LOCK RADAR AND
A ROCK CAKE OR STONE CAKE RADAR ARE SITUATED
ON NEWLY CONSTRUCTED MOUNDS. THESE FOUR
RADARS WERE PROBABLY PRESENT AS EARLY AS

25X1

[]
AT SANTA CRUZ DEL NORTE AIR WARNING RADAR
FACILITY 23-08-42N 081-55-54W []
0.5 NM SE OF THE FORMER LAUNCH POSITIONS,
RADAR WAS LAST OBSERVED ON []
THIS FACILITY WAS SUBSEQUENTLY VACATED AND
MOUNDS WERE OBSERVED UNDER CONSTRUCTION THERE
ON [] THESE MOUNDS WERE
PROBABLY COMPLETED, BUT THEY WERE UNOCCUPIED
ON []

25X1

25X1

25X1

25X1

25X1

25X1

ENLARGEMENT FACTOR

20 X

INSET

20 X

IEG/WGD

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COLLECTION

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